

C1206V683KCRACTU

Aliases (C1206V683KCRAC7800)

ArcShield SMD Comm X7R HV, Ceramic, 0.068 uF, 10%, 500 VDC, X7R, SMD, MLCC, ArcShield, High Voltage, Temperature Stable, 1.5 mm, 1206 / 3216



Click [here](#) for the 3D model.

General Information

| | |
|--------------------------|--------------------------------------------------------------------------------|
| Series | ArcShield SMD Comm X7R HV |
| Style | SMD Chip |
| Description | SMD, MLCC, ArcShield, High Voltage, Temperature Stable |
| Features | High Voltage, Temperature Stable |
| RoHS | Yes |
| Termination | Tin |
| Marking | No |
| Typical Component Weight | 55 mg |
| Miscellaneous | X7R dielectric is not recommended for AC line filtering or pulse applications. |
| Shelf Life | 78 Weeks |
| MSL | 1 |

Specifications

| | |
|--------------------------------------------------------------------|-------------------------------------------------|
| Capacitance | 0.068 uF |
| Measurement Condition | 1 kHz 1.0Vrms |
| Tolerance | 10% |
| Voltage DC | 500 VDC |
| Dielectric Withstanding Voltage | 750 VDC |
| Temperature Range | -55/+125°C |
| Temp. Coefficient | X7R |
| Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC) | 15%, 1kHz 1.0Vrms |
| Dissipation Factor | 2.5% 1 kHz 1.0Vrms |
| Aging Rate | 3% Loss/Decade Hour: Referee Time is 1000 Hours |
| Insulation Resistance | 1.4706 GOHms |

Dimensions

| | |
|----------------------|-----------------|
| L | 3.2mm +/-0.2mm |
| W | 1.6mm +/-0.2mm |
| T | 1.7mm +/-0.20mm |
| S | 1.5mm MIN |
| B | 0.5mm +/-0.25mm |
| Case Code (EIA / mm) | 1206 / 3216 |

Packaging Specifications

| | |
|--------------------|--------------------------|
| Packaging | T&R, 180mm, Plastic Tape |
| Packaging Quantity | 2000 |

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